PATENT COOPERATION TREATY

Exm the INTERNATIONAL SEARCHING AUTHORITY

То:			PCT			
			WRITTEN ORINION OF THE			
see form PCT/ISA/220			WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
				PCT Rule 43 <i>bis</i> .1)		
			(1)	*C1 Nule 43 <i>bis</i> . ()		
			Date of mailing (day/month/year) see	e form PCT/ISA/210 (second sheet)		
Applicant's or agent's file see form PCT/ISA/2			FOR FURTHER ACTION See paragraph 2 below			
International application		International filing date (day/month/year)	Priority date (day/month/year)		
PCT/GB2004/00174	1	23.04.2004		25.04.2003		
International Patent Classification (IPC) or both national classification and IPC						
H01J35/06						
Applicant						
CXR LIMITED						
1. This opinion co	entains indication	ons relating to the follo	Owing items:			
~		tains indications relating to the following items:				
⊠ Box No. I □ Box No. II	Basis of the op	inion		·		
Box No. III	Priority	cont of onining with an ar-				
☐ Box No. IV	Lack of unity of		ard to novelty, inventive	e step and industrial applicability		
☐ Box No. V	Reasoned state	ement under Rule 43 <i>bis</i>	:.1(a)(i) with regard to r	novelty, inventive step or industrial		
	аррисавину; сп	ations and explanations	supporting such state	ment		
☐ Box No. VI	Certain docume					
☐ Box No. VII		in the international app				
•		ations on the internation	al application			
2. FURTHER ACTIO	ON					
the applicant cho	ine internationa oses an Authorif au under Rule 6	I Preliminary Examining V other than this one to) Authority ("IPEA"). Ho	usually be considered to be a Dwever, this does not apply where hosen IPEA has notifed the onal Searching Authority		
SUSTINICIO (THE TELE	date of mailing o	logeiner, where appror	oriate, with amendment before the expiration of	PEA, the applicant is invited to ts, before the expiration of three f 22 months from the priority date,		
For further option	s, see Form PC	T/ISA/220.		605		
3. For further details	s, see notes to Fo	orm PCT/ISA/220.	050	6 9 Santa Priority date,		
Name and mailing address of the ISA:			Authorized Officer	V		



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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/GB2004/001741

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	Во	x N	o. I Basis of the opinion				
1.	With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.						
		lai	is opinion has been established on the basis of a translation from the original language into the following inguage—, which is the language of a translation furnished for the purposes of international search and results and 23.1(b)).				
2.	Wit ned	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:					
	a. type of material:						
			a sequence listing				
			table(s) related to the sequence listing				
	b. format of material:						
	l		in written format				
	ĺ		in computer readable form				
	c. time of filing/furnishing:						
	Ī		contained in the international application as filed.				
	[filed together with the international application in computer readable form.				
	[]	furnished subsequently to this Authority for the purposes of search.				
3.		cot	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto be been filed or furnished, the required statements that the information in the subsequent or additional bies is identical to that in the application as filed or does not go beyond the application as filed, as propriate, were furnished.				
4.	Additional comments:						

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

No:

Claims 1-4,36,37

Inventive step (IS)

Yes: Claims

No: Claims

38,39

Industrial applicability (IA)

Yes: Claims

1-60

No: Claims

2. Citations and explanations

see separate sheet



Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Reference is made to the following documents:

D1: US-A-5 633 907 (GRAVELLE ET AL) 27 May 1997 (1997-05-27)

D2: US-A-4 274 005 (YAMAMURA ET AL) 16 June 1981 (1981-06-16)

1. The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 1 is not new in the sense of Article 33(2) PCT.

The document D1 discloses (the references in parentheses applying to this document): an electron source suitable for an x-ray tube or an x-ray scanner comprising electron emitting means (figure 2, reference 26), defining a plurality of electron source regions (along the conductors 26), an extraction grid defining a plurality of grid regions each associated with at least a respective one of the source regions (grid plates 28 and 29), and control means arranged to control the relative electrical potential between each of the grid regions and the respective source region (column 3, lines 52 to 60), so that the position from which electrons are extracted from the emitting means can be moved between said source regions (equivalent to changing the shape of the passing electron stream, see column 3, lines 58-59).

The subject-matter of claim 1 is thus anticipated by D1.

- 1.1 The subject-matter of claims 2-4 is also disclosed in D1 (see figure 3 for claims 2-3, and column 3, line 58 for claim 4, application of a bias negative voltage). The subject-matter of claims 36 and 37 is also anticipated by D1 (column 2, first lines).
- 2. The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claims 38 and 39 does not involve an inventive step in the sense of

International application No.

NRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

PCT/GB2004/001741

Article 33(3) PCT.

The subject-matter of claims 38 and 39 differs from the disclosure of D1 in that the x-ray tube is part of an x-ray scanner, and that data sets are collected from detection means. These features, however, are generally known in the art (see for example, D2, column 3, last lines), and form part of normal design procedures.

- 3. Claims 51-53 contain references to the drawings. According to Rule 6.2(a) PCT, claims should not contain such references except where absolutely necessary, which is not the case here.
- 4. Other objections should be taken into account:
- 4.1. Claim 24 is drafted in terms of a result to be achieved, without providing the technical features necessary for achieving this result. The requirements of Article 6 PCT are therefore not met.
- 4,2. Claim 27 seems redundant.
- 4.3. The 'emitting members' in claim 29 lack an antecedent, as in claim 1 only 'emitting means' are referred to.